**43. Create a dynamic array using pointers and display the values**

**PROGRAM:**

#include <iostream>

int main() {

int size;

std::cout << "Enter the size of the dynamic array: ";

std::cin >> size;

int\* dynamicArray = new int[size];

std::cout << "Enter " << size << " values for the dynamic array: ";

for (int i = 0; i < size; ++i) {

std::cin >> dynamicArray[i];

}

std::cout << "Values of the dynamic array: ";

for (int i = 0; i < size; ++i) {

std::cout << dynamicArray[i] << " ";

}

std::cout << std::endl;

delete[] dynamicArray;

return 0;

}

**OUTPUT:**

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